

31 May 2017



MicroSynbiotix™

www.microsynbiotix.com

Position Available

Senior Scientist: Algal Molecular Biologist

Summary

MicroSynbiotix is an algal synthetic biology startup headquartered in Cork, Ireland with primary research operations in San Diego, CA. We're developing a revolutionary microalgal oral delivery platform for a range of vaccines and therapeutics to improve aquaculture disease management. We are looking for a skilled and motivated senior scientist with expertise in algal molecular biology (ideally with expertise in chloroplast engineering) to assist us in setting up transformation protocols for our vaccine-producing transplastomic algal cell lines, and quantify their expression levels in preparation for *in vivo* challenge trials. This is a full-time, salaried position located in San Diego, CA, reporting to the Chief Scientific Officer.

Responsibilities

- Design, lead, and optimize chloroplast transformation protocols of various algal strains
- Create mutant algal lines using CRISPR/cas9, which can replace conventional antibiotic-based selection system and can be served as a new production platform
- Generate transplastomic cell lines of microalgae using biolistic particle delivery system, electroporation, glass bead agitation,

Skills and Experience

Required

- Be familiar with core molecular biology experiment skills such as cloning, various PCR techniques, Southern blot, western blot, ELISA etc.

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- Protein expression, purification and quantification
- Have a proven track record of success in algal strain development (transplastomic and nuclear transformation) substantiated by:

a. Relevant and successful industry work experience in strain development

-OR-

b. Academic qualifications and peer-reviewed publications of previous works that clearly demonstrate competency and potential in algal molecular biology

Additional Qualifications

- While we evaluate each applicant holistically, the following qualifications may improve the strength of your application substantially:
- Industry experience, working in an R&D leadership role
- Expertise in chloroplast engineering
- Ph.D. in plant or algal molecular biology, or related field
- We hold a Ph.D. in high regard, but your academic credential is secondary to the quality of your research, industry/academic performance, and fit with the company's entrepreneurial startup culture.

Compensation

We offer competitive salary commensurate with qualifications and experience, and the potential for stock options. Health care benefits are also included for employees on terms provided by the company.

To Apply

Please provide

- Cover Letter describing why you are a promising candidate
- Resume/CV
- Links to relevant peer-reviewed publications or scientific research, if available
- Links to LinkedIn profile, if available

Email your information to apply@microsynbiotix.com . ***In the subject line, please be sure to include your name and the title of the position*** (e.g., John Doe, Senior Scientist: Algal Molecular Biologist).

Job Type: Full-time